



Docket No.: 8733.940.00-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Sang S. Lee et al.

Confirmation No.:

Application No.: 10/712,936

Art Unit: N/A

Filed: November 14, 2003

Examiner: Not Yet Assigned

For: SUBSTRATE BONDING APPARATUS FOR  
LIQUID CRYSTAL DISPLAY DEVICE

Customer No.: 30827

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911, under Order No. 8733.940.00-US. A duplicate copy of this paper is enclosed.

Dated: December 16, 2003

Respectfully submitted,

By   
Eric J. Nuss

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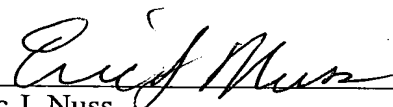
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

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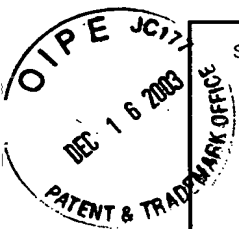
Attorney for Applicant



Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/712,936
				Filing Date	November 14, 2003
				First Named Inventor	Sang S. Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	8733.940.00-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
✓	AA	US-2001-0021000-A1	09-13-2001	Egami	
	AB	US-4,094,058	06-13-1978	Yasutake et al.	
	AC	US-4,691,995-A1	09-08-1987	Yamazaki et al.	
	AD	US-5,875,922-B1	03-02-1999	Chastine et al.	
	AE	US-6,304,311-B1	10-16-2001	Egami et al.	
	AF	US-5,247,377-B1	09-21-1993	Omeis et al.	
	AG	US-5,511,591	04-30-1996	Abe	
	AH	US-5,642,214	06-24-1997	Ishii et al.	
	AI	US-5,742,370	04-21-1998	Kim et al.	
	AJ	US-6,011,609	01-04-2000	Kato et al.	
	AK	US-6,016,178	01-18-2000	Kataoka et al.	
	AL	US-6,055,035	04-25-2000	von Gutfeld et al.	
	AM	US-6,163,357	12-19-2000	Nakamura	
	AN	US-6,226,067-B1	05-01-2001	Nishiguchi et al.	
	AO	US-6,304,306-B1	10-16-2001	Shiomi et al.	
	AP	US-6,414,733-B1	07-02-2002	Ishikawa et al.	
	AQ	US-3,978,580-A1	09-07-1976	Leupp et al.	
	AR	US-4,653,864	03-31-1987	Baron et al.	
	AS	US-4,775,225-A1	10-04-1988	Tsuboyama et al.	
	AT	US-5,263,888	11-23-1993	Ishihara et al.	
	AU	US-5,379,139-A1	01-03-1995	Sato et al.	
	AV	US-5,406,989-A1	04-18-1995	Abe	
	AW	US-5,499,128-A1	03-12-1996	Hasegawa et al.	
	AX	US-5,507,323	04-16-1996	Abe	
	AY	US-5,539,545	07-23-1996	Shimizu et al.	
	AZ	US-5,548,429	08-20-1996	Tsujita	
	AA1	US-5,680,189	10-21-1997	Shimizu et al.	
	AB1	US-5,757,451	05-26-1998	Daisuke Miyazaki et al.	
	AC1	US-5,852,484	12-22-1998	Kazuo Inoue et al.	
	AD1	US-5,854,664	12-29-1998	Kazuo Inoue et al.	
	AE1	US-5,861,932	01-19-1999	Masashi Inata et al.	
	AF1	US-5,956,112	09-21-1999	Fujimori et al.	
	AG1	US-6,001,203	12-14-1999	Yamada et al.	
	AH1	US-6,016,181	01-18-2000	Shimada	
	AI1	US-6,219,126-B1	04-17-2001	von Gutfeld	
	AJ1	US-6,236,445-B1	05-22-2001	Foschaar et al.	
	AK1	US-6,337,730-B1	01-08-2002	Ozaki et al.	
	AL1	US-5,952,678	09-14-1999	Ashida	

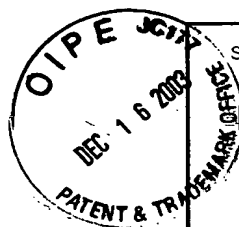
Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/712,936
				Filing Date	November 14, 2003
				First Named Inventor	Sang S. Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	4	Attorney Docket Number	8733.940.00-US

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.†	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
✓	BA	JP	05-154923	06-22-1993	Fukuo et al.		
✓	BB	KR	2000-035302-A1	06-26-2000	Yoshihiro		
✓	BC	JP	06-235925	08-23-1994	Katsuya		
✓	BD	JP	06-313870	11-08-1994	Fukuo et al.		
✓	BE	JP	07-084268	03-31-1995	Hiroshi et al.		
✓	BF	JP	08-101395	04-16-1996	Satoru et al.		
✓	BG	JP	09-061829	03-07-1997	Satoru et al.		
✓	BH	JP	10-177178	06-30-1998	Shinichi et al.		
✓	BI	JP	10-333157	12-18-1998	Takayuki et al.		
✓	BJ	JP	10-333159	12-18-1998	Takayuki et al.		
✓	BK	JP	11-133438	05-21-1999	Shinichi et al.		
✓	BL	JP	11-142864	05-28-1999	Takashi et al.		
✓	BM	JP	11-248930	09-17-1999	Satoru et al.		
✓	BN	JP	11-326922	11-26-1999	Yuji		
✓	BO	JP	2000-002879	01-07-2000	Masaki		
✓	BP	JP	2000-056311	02-25-2000	Satoru et al.		
✓	BQ	JP	2000-066165	03-03-2000	Koji et al.		
✓	BR	JP	2000-137235	05-16-2000	Norihiko et al.		
✓	BS	JP	2000-147528	05-24-2000	Nobutaka et al.		
✓	BT	JP	2000-193988	07-14-2000	Taijin et al.		
✓	BU	JP	2000-241824	09-08-2000	Masanori et al.		
✓	BV	JP	2000-284295	10-13-2000	Satoshi et al.		
✓	BW	JP	2000-292799	10-20-2000	Yoshiteru et al.		
✓	BX	JP	2000-310759	11-07-2000	Norihiko		
✓	BY	JP	2000-310784	11-07-2000	Kazuo et al.		
✓	BZ	JP	2000-338501	12-08-2000	Hideaki		
✓	BA1	JP	2001-005401	01-12-2001	Kiyoshi et al.		
✓	BB1	JP	2001-005405	01-12-2001	Satoshi et al.		
✓	BC1	JP	2001-013506	01-19-2001	Seiji et al.		
✓	BD1	JP	2001-033793	02-09-2001	Shinichiro et al.		
✓	BE1	JP	2001-042341	02-16-2001	Masayuki et al.		
✓	BF1	JP	2001-051284	02-23-2001	Norihiko		
✓	BG1	JP	2001-066615	03-16-2001	Katsuki et al.		
✓	BH1	JP	2001-091727	04-06-2001	Koji et al.		
✓	BI1	JP	2001-117109	04-27-2001	Hideki et al.		
✓	BJ1	JP	2001-133745	05-18-2001	Satoshi et al.		
✓	BK1	JP	2001-133799	05-18-2001	Satoshi		
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✓	BM1	JP	2001-166310	06-22-2001	Takashi et al.		
✓	BN1	JP	2001-183683	07-06-2001	Akinori et al.		
✓	BO1	JP	2001-201750	10-04-2001	Kazuyuki et al.		
✓	BP1	JP	2001-209052	08-03-2001	Hideaki		
✓	BQ1	JP	2001-209060	08-03-2001	Yoshiro et al.		
✓	BR1	JP	2001-215459	09-13-2001	Norihiko		
✓	BS1	JP	2001-222017	08-17-2001	Kunihiro et al.		
✓	BT1	JP	2001-235758	08-31-2001	Katsuki		

Examiner Signature	Date Considered
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Substitute for form 1449A/B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 4

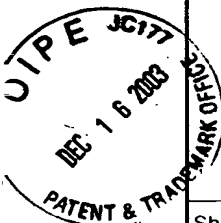
## Complete if Known

Application Number	10/712,936
Filing Date	November 14, 2003
First Named Inventor	Sang S. Lee
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	8733.940.00-US

✓	BU1	JP-2001-272640	10-05-2001	Kuniaki		
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	BZ1	JP-2001-330837	11-30-2001	Kazufumi		
	BA2	EP-1 003 066 A1-A1	05-24-2000	Egami et al.		
	BB2	JP-2001-356353	12-26-2001	Satoshi et al.		
	BC2	JP-51-065656	06-07-1976	Yoichi		
	BD2	JP-59-057221	04-02-1984	Yoshio et al.		
	BE2	JP-59-195222	11-06-1984	Osamu		
	BF2	JP-60-111221	06-17-1985	Masanori et al.		
	BG2	JP-57-038414-A1	03-03-1982	Naoaki et al.		
	BH2	JP-57-088428-A1	06-02-1982	Tsutomu		
	BI2	JP-58-027126-A1	02-17-1983	Takao		
	BJ2	JP-60-164723-A1	08-27-1985	Tooru		
	BK2	JP-60-217343-A1	10-30-1985	Kiyohiro		
	BL2	JP-61-007822-A1	01-14-1986	Shinjiro		
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	BN2	JP-62-089025-A1	04-23-1987	Shinji et al.		
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	BP2	JP-62-205319-A1	09-09-1987	Akira et al.		
	BQ2	JP-63-109413-A1	05-14-1988	Yoshiro		
	BR2	JP-63-110425-A1	05-14-1988	Motoi		
	BS2	JP-63-128315-A1	05-31-1988	Toshiyasu		
	BT2	JP-63-311233-A1	12-20-1988	Yoko et al.		
	BU2	JP-05-127179-A1	05-25-1993	Hiroshi		
	BV2	JP-05-265011-A1	10-15-1993	Katsuki		
	BW2	JP-05-281557-A1	10-29-1993	Hisao et al.		
	BX2	JP-05-281562-A1	10-29-1993	Satoshi et al.		
	BY2	JP-06-051256-A1	02-25-1994	Koji et al.		
	BZ2	JP-06-148657-A1	05-27-1994	Yoshinori et al.		
	BA3	JP-06-160871	06-07-1994	Yoshinori et al.		
	BB3	JP-06-265915-A1	09-22-1994	Hirotsada et al.		
	BC3	JP-07-128674-A1	05-19-1995	Yoshiyuki et al.		
	BD3	JP-07-181507-A1	07-21-1995	Teruhiko		
	BE3	JP-08-095066-A1	04-12-1996	Kazuhiro et al.		
	BF3	JP-08-106101-A1	04-23-1996	Yoshiro et al.		
	BG3	JP-08-171094-A1	07-02-1996	Shinji et al.		
	BH3	JP-08-190099-A1	07-23-1996	Yoshiro et al.		
	BI3	JP-08-240807-A1	09-17-1996	Yoshiro et al.		
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	BL3	JP-09-073075-A1	03-18-1997	Junji et al.		
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	BN3	JP-09-127528-A1	05-16-1997	Kunihiro et al.		
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	BP3	JP-09-281511-A1	10-31-1997	Kunihiro et al.		
	BQ3	JP-09-311340-A1	12-02-1997	Satoshi		
	BR3	JP-10-123537-A1	05-15-1998	Norihiko et al.		

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 4 of 4

**Complete if Known**

Application Number	10/712,936
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First Named Inventor	Sang S. Lee
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	8733.940.00-US

BS3	JP-10-123538-A1	05-15-1998	Hideki et al.		
BT3	JP-10-142616-A1	05-29-1998	Hideyuki et al.		
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BW3	JP-11-014953-A1	01-22-1999	Takahiro		
BX3	JP-11-038424-A1	02-12-1999	Kunihiro et al.		
BY3	JP-11-064811-A1	03-05-1999	Naoto		
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BA4	JP-11-174477-A1	07-02-1999	Katsuki et al.		
BB4	JP-11-212045-A1	08-06-1999	Shirou		
BC4	JP-11-344714-A1	12-14-1999	Masaaki et al.		
BD4	JP-2000-029035	01-28-2000	Naoya et al.		
BE4	JP-2001-117105	04-27-2001	Takeshi		
BF4	JP-2001-133794	05-18-2001	Kazuyuki		
BG4	JP-2001-142074	05-25-2001	Makiko et al.		
BH4	JP-2001-147437	05-29-2001	Makoto et al.		
BI4	JP-2001-154211	06-08-2001	Yuichiro et al.		
BJ4	JP-2001-255542	09-21-2001	Yuichi		
BK4	JP-2001-264782	09-26-2001	Nobumasa et al.		
BL4	JP-2001-330840-A1	11-30-2001	Hisaaki et al.		
BM4	JP-2001-356354-A1	12-26-2001	Hiroyuki et al.		
BN4	JP-2002-014360-A1	01-18-2002	Norihiko et al.		
BO4	JP-2002-023176-A1	01-23-2002	Koji		
BP4	JP-2002-049045-A1	02-15-2002	Takeshi		
BQ4	JP-2002-082340-A1	03-22-2002	Sadaichi et al.		
BR4	JP-2002-090759-A1	03-27-2002	Koji		
BS4	JP-2002-090760-A1	03-27-2002	Norihiko		
BT4	JP-2002-107740-A1	04-10-2002	Mitsuaki		
BU4	JP-2002-122872-A1	04-26-2002	Tetsuo et al.		
BV4	JP-2002-122873-A1	04-26-2002	Yasuo		
BW4	JP-2002-139734	05-17-2002	Hiroyuki et al.		
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BY4	JP-2002-202514-A1	07-19-2002	Satoshi et al.		
BZ4	JP-2002-214626-A1	07-31-2002	Shinichi		

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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